

FORM PTO-1449
(REV. 7-80)
(Title Amended 3/83)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

121278-2

SERIAL NO.

10/611,749

INFORMATION DISCLOSURE STATEMENT BY APPLICANT--

LIST OF ITEMS

(Use several sheets if necessary)

Applicant

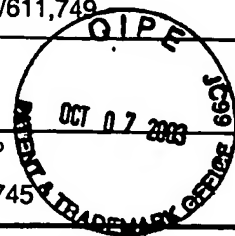
Canan Uslu Hardwicke et al.

Filing Date

June 30, 2003

Group

3745



U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	No
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

DTW	AR	K. B. M. Q. Zaman, "Reduction of Jet Penetration in a Cross-flow by Using Tabs", Nasa Lewis Research Center, AIAA-98-3276, 34th AIAA/ASME/SAE/ASEE Joint Propulsion Conference & Exhibit, July 13-15, 1998, Cleveland, OH, pp. 1-8. ✓
DTW	AS	L. J. S. Bradbury & A. H. Khadem, "The distortion of a jet by tabs", J. Fluid Mech. (1975), vol. 70, part 4, pp. 801-813, ✓
DTW	AT	K. B. M. Q. Zaman & J. K. Foss, "The effect of vortex generators on a jet in a cross-flow", 1997 American Institute of Physics, Phys. Fluids 9 (1), January 1997, pp. 106-114. ✓

EXAMINER

Swampy J. White

DATE CONSIDERED

8/31/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 6 3 8 3 6 0 2	05/07/02	Fric et al.			
	AB 6 3 6 8 0 6 0	04/09/02	Fehrenbach et al.			
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
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	AN						
	AO						
	AP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

DTW	AR	Patent Application, Canan U. Hardwicke et al., "Systems and Methods for Determining Conditions of Articles and Methods of Making Such Systems," Serial Number 10/065,816, filed November 22, 2002, Docket Number 120365-1.
DTW	AS	Ronald S. Bunker, "Film Cooling Effectiveness due to Discrete Holes within a Transverse Surface Slot," IGTI Turbo Expo Int. Gas Turbine Conference and Exposition, June 3-6, 2002, Amsterdam, GT-2002-30178, pp. 1-10.
DTW	AT	Masir Hasan et al., "Film Cooling from a Single row of Cylindrical Angled Holes with Triangular Tabs having different Orientations," ASME Turbo Expo 2001, June 4-7, 2001, New Orleans, Louisiana, USA, 2001-GT-0124, pp. 1-8.

EXAMINER

Dwayne J. Whit

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	BB					
	BC					
	BD					
	BE					
	BF					
	BG					
	BH					
	BI					
	BJ					
	BK					

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						YES	No
	BL						
	BM						
	BN						
	BO						
	BP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

DTW	BR	D. G. Hyams et al., "A Detailed Analysis of Film Cooling Physics: Part III-Streamwise Injection with Shaped Holes," ASME, Volume 122, January 2000, pp. 122-132.
	BS	
	BT	

EXAMINER

Dwayne J. Latta

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